

Universal pigment pastes and their use for preparing aqueous paints

Abstract

The present invention has as its subject pigment pastes which comprise as binder at least one polyurethane acrylate (P) that is obtainable by polymerizing

- (A) one or more ethylenically unsaturated monomers in the presence of
- (B) a polyurethane resin which has a number-average molecular weight of from 200 to 30,000 and which contains on average from 0.05 to 1.1 polymerizable double bonds per molecule, and converting the resulting reaction product into an aqueous dispersion,

characterized in that the pigment pastes comprise

- (Pa) from 10 to 35 % by weight of at least one polyurethane acrylate resin (P), based on the solids content,
- (Pb) from 10 to 65 % by weight of water and

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(Pc1) from 18 to 40 % by weight of at least one organic, transparent pigment or from 30 to 50 % by weight of an organic, opaque pigment, or

(Pc2) from 30 to 80 % by weight of at least one inorganic pigment, with the exception of white pigments, or more than 50 to 70 % by weight of white pigment, or

(Pc3) more than 8 to 15 % by weight of carbon black,

the proportions by weight of the respective components (Pa) to (Pc) being based in each case on the overall weight of the pigment paste.

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